# Chapter 11: Buildings

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## Safety vs. Resiliency

Safe ≠ Usable



#### **Building Performance Levels**

A – Safe & Operational-

B – Safe & Usable During Repair

Photos courtesy of Degenkolb Engineers

C – Safe & Not Usable —

D - Unsafe







#### **New Buildings**

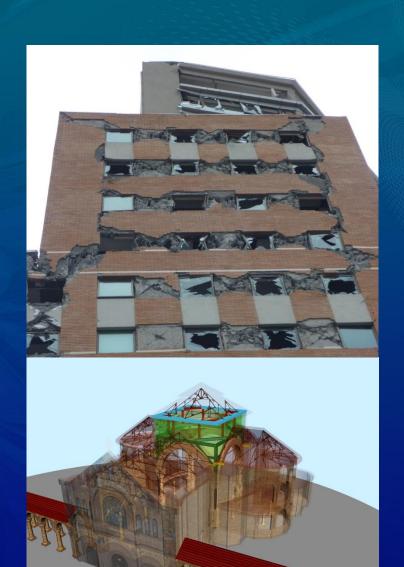
- Current standards do not explicitly deal with function protection for every hazard
- Code architectural, structural, mechanical requirements are sometimes not in alignment
- New building standards are easier to change than existing building requirements





### **Existing Buildings**

- Codes, standards, and building practice constantly evolving
- Structural Standards are typically not retroactive
- Existing evaluation tools very judgment based
- Retrofit often costly and disruptive



Photos courtesy of Degenkolb Engineers

